

**BODY MOTION DETECTION DEVICE, PITCH METER,
WRISTWATCH-TYPE INFORMATION PROCESSING DEVICE,
METHOD FOR CONTROLLING THEREOF, CONTROL PROGRAM,
AND STORAGE MEDIUM**

ABSTRACT OF THE DISCLOSURE

A body motion detection device is provided that is configured to be attached to a forearm of a user to detect a body motion of the human body to detect body motions of the user. The body motion detection device basically comprises a body motion sensor unit and a body motion component extracting section. The body motion sensor unit is configured and arranged to detect an acceleration caused substantially by a movement of the forearm during walking and an acceleration caused substantially by a movement of the forearm during running to output at least one body motion signal. The body motion component extracting section is configured and arranged to extract a body motion component from said at least one body motion signal. Thus, pitch of the user can be measured based on the body motion component both when the user is running and walking.